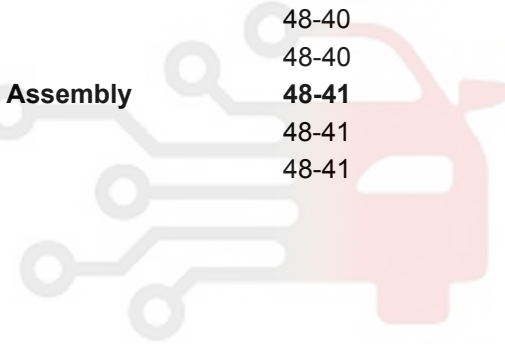


ENGINE HOOD/DOOR

GENERAL INFORMATION	48-3	Installation	48-23
Description	48-3	Adjustment	48-23
Specifications	48-7	Inspection	48-25
Tool	48-8	Rear Door Inner Protector Assembly	48-26
ON-VEHICLE SERVICE	48-9	Removal	48-26
Hood Assembly	48-9	Installation	48-28
Removal	48-9	Rear Door Assembly	48-29
Installation	48-10	Removal	48-29
Adjustment	48-11	Installation	48-33
Inspection	48-12	Adjustment	48-33
Hood Hinge Assembly	48-13	Inspection	48-35
Removal	48-13	Back Door Assembly	48-36
Installation	48-13	Removal	48-36
Hood Cable Assembly	48-14	Installation	48-38
Removal	48-14	Adjustment	48-38
Installation	48-15	Inspection	48-39
Front Door Inner Protector Assembly	48-16	Back Door Opener Switch Assembly	48-40
Removal	48-16	Removal	48-40
Installation	48-18	Installation	48-40
Front Door Assembly	48-19	Back Door Hinge Assembly	48-41
Removal	48-19	Removal	48-41
		Installation	48-41

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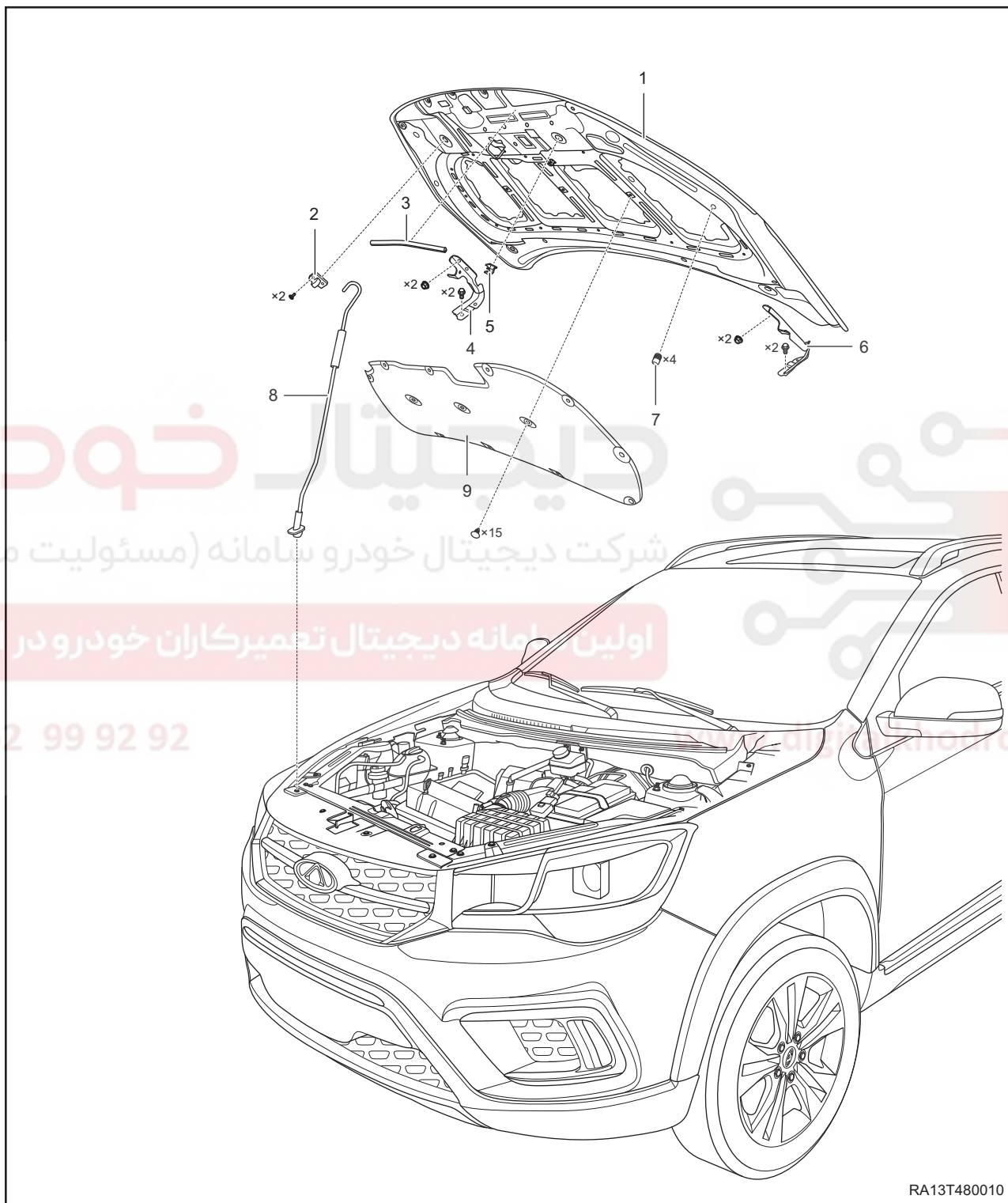
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GENERAL INFORMATION

Description

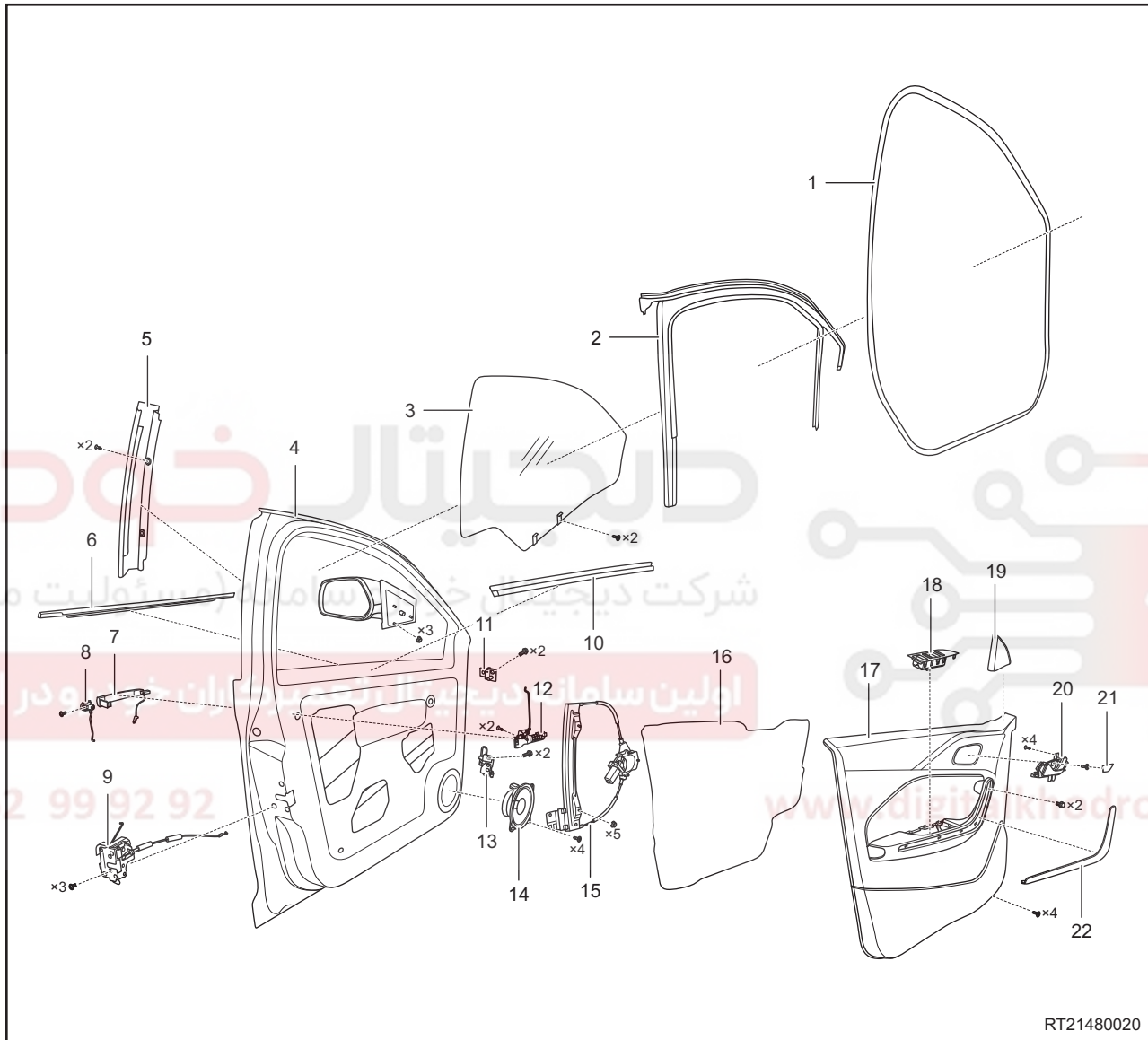
Hood Assembly



48 - ENGINE HOOD/DOOR

3 - Engine Compartment Front Weatherstrip	4 - Hood Right Hinge Assembly
5 - Holder	6 - Hood Left Hinge Assembly
7 - Adjustable Buffer Block	8 - Support Rod Assembly
9 - Hood Sound Insulator	

Front Left Door Assembly

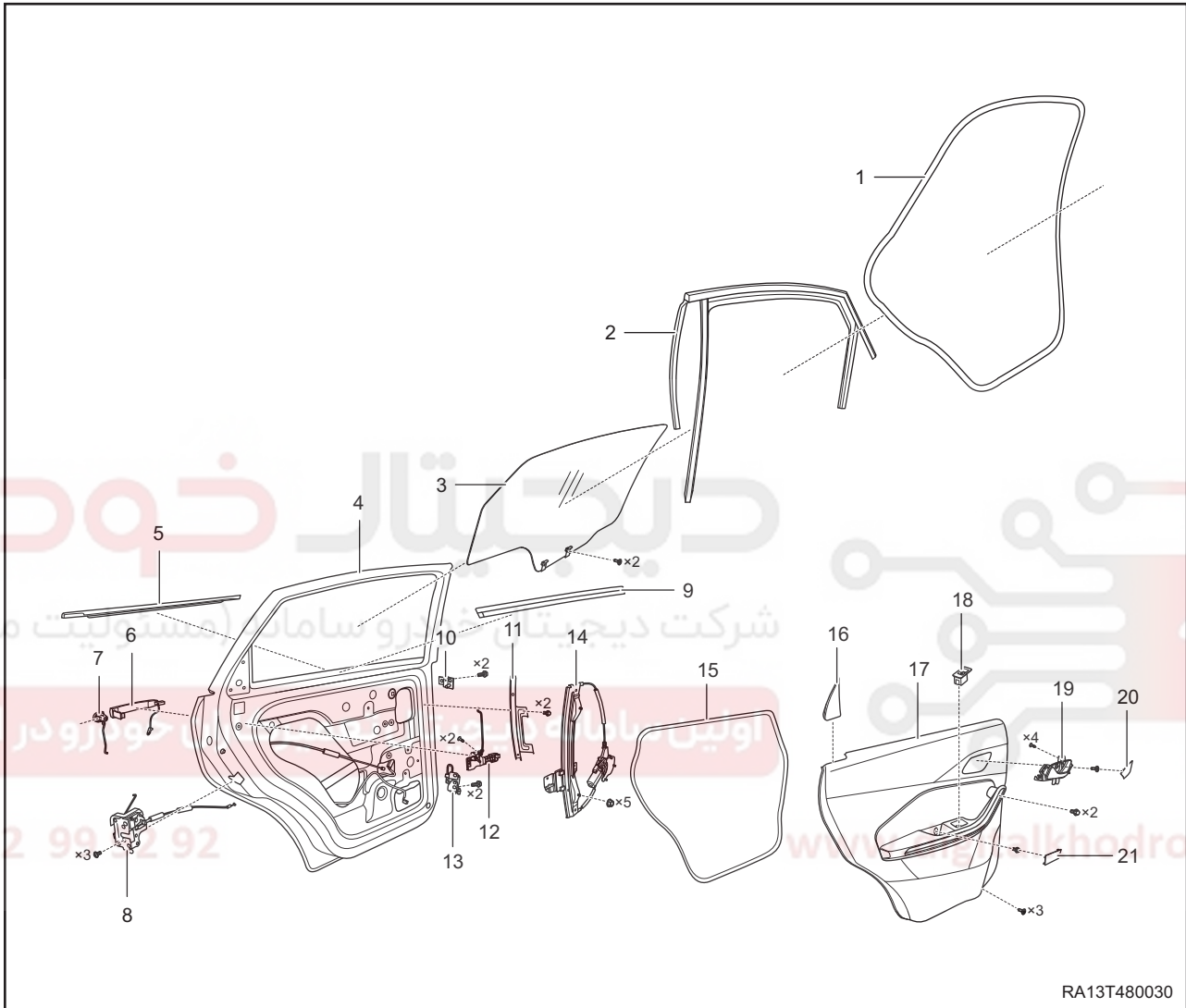


48

1 - Front Door Opening Weatherstrip	2 - Front Door Upper Glass Guide
3 - Front Door Glass Assembly	4 - Front Door Assembly
5 - Front Door Cover	6 - Front Door Outer Weather Bar
7 - Front Door Outside Handle Assembly	8 - Front Door Key Cylinder Assembly
9 - Front Door Lock Latch Assembly	10 - Front Door Inner Weather Bar
11 - Front Door Upper Hinge Assembly	12 - Front Door Outside Handle Base Assembly
13 - Front Door Lower Hinge Assembly	14 - Front Speaker
15 - Front Door Power Glass Regulator Assembly	16 - Front Door Protective Film Assembly

17 - Front Door Inner Protector Assembly	18 - Front Door Glass Regulating Switch Assembly
19 - Outside Rear View Mirror Inner Triangular Block Assembly	20 - Front Door Inside Handle Assembly
21 - Front Door Inside Handle Screw Block Cover	22 - Front Door Inside Handle Trim Strip

Rear Left Door Assembly

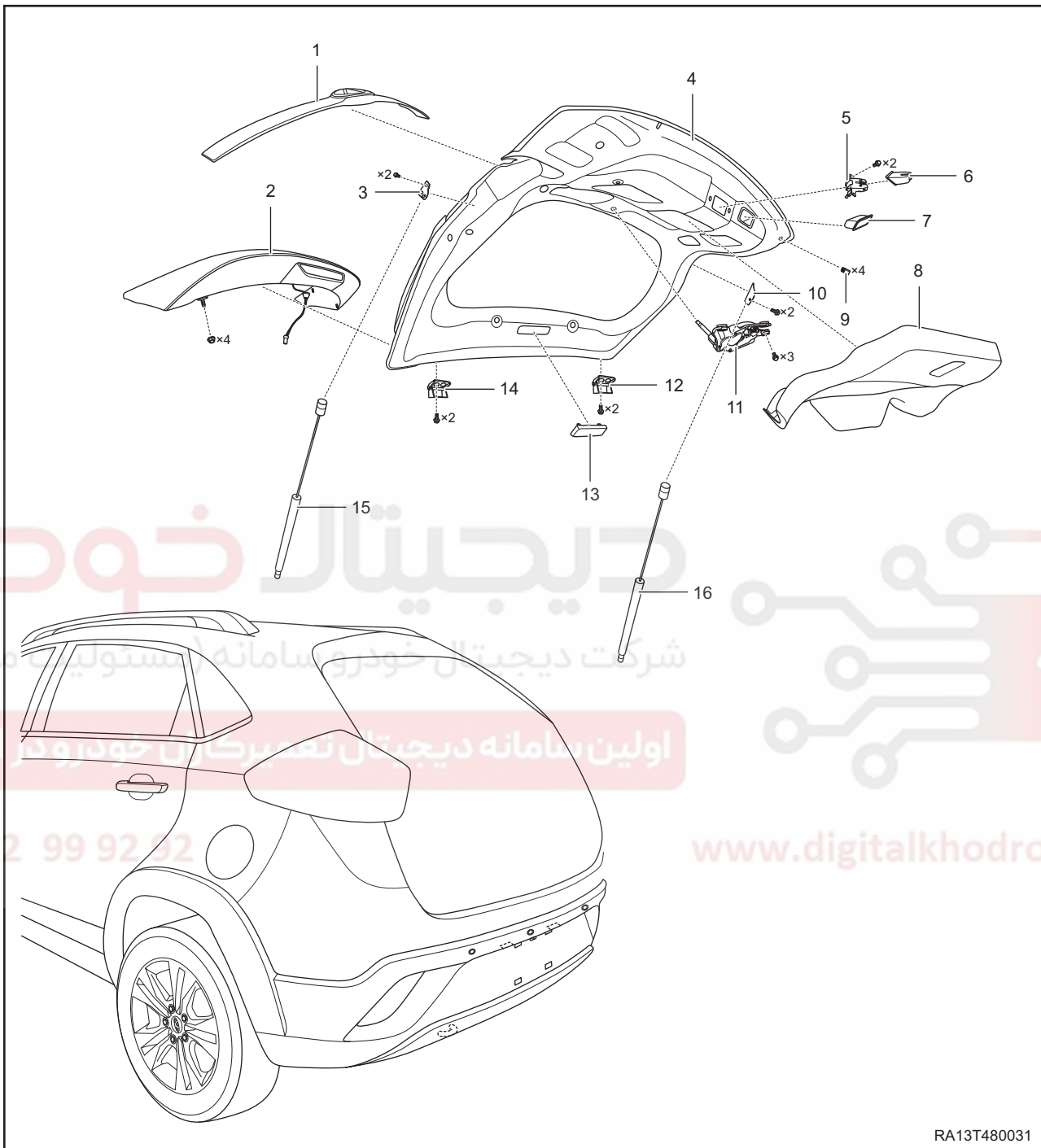


1 - Rear Door Opening Weatherstrip	2 - Rear Door Upper Glass Guide
3 - Rear Door Glass Assembly	4 - Rear Door Assembly
5 - Rear Door Outer Weather Bar	6 - Rear Door Outside Handle
7 - Rear Door Key Cylinder Assembly	8 - Rear Door Lock Latch Assembly
9 - Rear Door Inner Weather Bar	10 - Rear Door Upper Hinge Assembly
11 - Rear Door Glass Guide Rail Assembly	12 - Rear Door Outside Handle Base Assembly
13 - Rear Door Lower Hinge Assembly	14 - Rear Door Power glass regulator assembly
15 - Rear Door Protective Film Assembly	16 - Rear Door Inner Triangular Block Assembly
17 - Rear Door Inner Protector Assembly	18 - Power Glass Regulating Switch Assembly
19 - Rear Door Inside Handle Assembly	20 - Rear Door Inside Handle Screw Block Cover

48 - ENGINE HOOD/DOOR

21 - Rear Door Handle Box Trim Panel

Back Door Assembly



RA13T480031

1 - Rear Trim Strip Assembly	2 - Spoiler Assembly
3 - Left Air Spring Upper Holder	4 - Back Door Assembly
5 - Back Door Lock Assembly	6 - Back Door Lock Latch Protective Cover
7 - Back Door Handle	8 - Back Door Protector Assembly
9 - Adjustable Buffer Block	10 - Right Air Spring Upper Holder
11 - Rear Wiper Motor Assembly	12 - Back Door Right Hinge Base Assembly

13 - Back Door Wire Harness Mounting Hole Cover Plate	14 - Back Door Left Hinge Base Assembly
15 - Left Air Spring Assembly	16 - Right Air Spring Assembly

The vehicle is designed as a structure with four doors & two covers (front left door, rear left door, front right door, rear right door, back door and hood).

Specifications

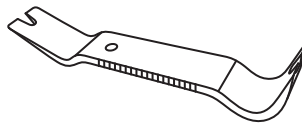
Torque Specifications

Description	Torque (N·m)
Fixing Bolt Between Hood Assembly and Hood Hinge Assembly	25 ± 2
Fixing Bolt Between Hood Hinge Assembly and Body	25 ± 2
Hood Lock Assembly Fixing Bolt	9 ± 1
Fixing Bolt Between Hood Hinge Assembly and Wing Assembly	10 ± 1
Front Door Inner Protector Assembly Fixing Screw	1.5 ± 0.5
Front Door Inner Protector Assembly Fixing Bolt	
Front Door Inside Handle Fixing Screw	1.5 ± 0.5
Front Door Outside Handle Base Assembly Fixing Screw	7 ± 1
Fixing Bolt Between Front Door Hinge Assembly and Front Door Assembly	24 ± 2
Fixing Bolt Between Front Door Hinge Assembly and Body	24 ± 2
Fixing Nut Between Door Check and Front Door Assembly	10 ± 2
Fixing Bolt Between Door Check and Body	22 ± 3.5
Front Door Lock Striker Fixing Screw	23 ± 2
Rear Door Inner Protector Assembly Fixing Screw	1.5 ± 0.5
Rear Door Inside Handle Fixing Screw	1.5 ± 0.5
Rear Door Metal Bracket Fixing Bolt	5 ± 1
Rear Door Outside Handle Cover Fixing Screw	7 ± 1
Rear Door Outside Handle Base Assembly Fixing Screw	7 ± 1
Fixing Bolt Between Rear Door Hinge Assembly and Rear Door Assembly	55 ± 5
Fixing Bolt Between Rear Door Hinge Assembly and Body	55 ± 5
Rear Door Lock Striker Fixing Screw	23 ± 1
Fixing Bolt Between Back Door Hinge Assembly and Back Door Assembly	25 ± 2

48 - ENGINE HOOD/DOOR

Description	Torque (N·m)
Fixing Bolt Between Back Door Hinge Assembly and Body	25 ± 2
Back Door Lock Striker Assembly Fixing Screw	23 ± 1

Tool**General Tool**

Interior Crow Plate	 RCH0000025
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ON-VEHICLE SERVICE

Hood Assembly

Removal

CAUTION

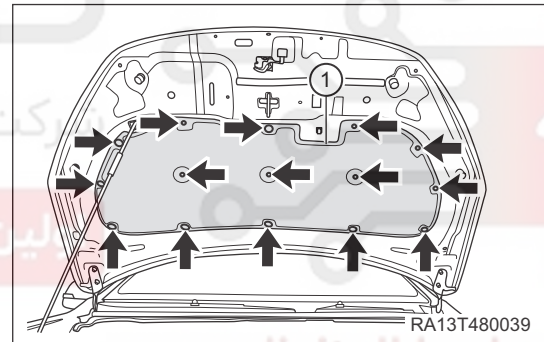
- Be sure to wear safety equipment to prevent accidents, when removing hood assembly.
- When removing hood assembly, try to prevent hood from dropping, otherwise, body or front windshield may be damaged.

WARNING

- When removing hood assembly, an assistant is needed to hold hood. Try to prevent hood from dropping or suddenly closing to cause accidents during operation.

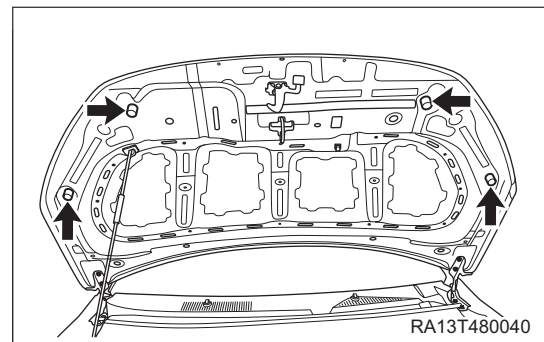
1. Remove the hood sound insulator.

- a. Remove clip (arrow) from hood sound insulator, and remove hood sound insulator (1).



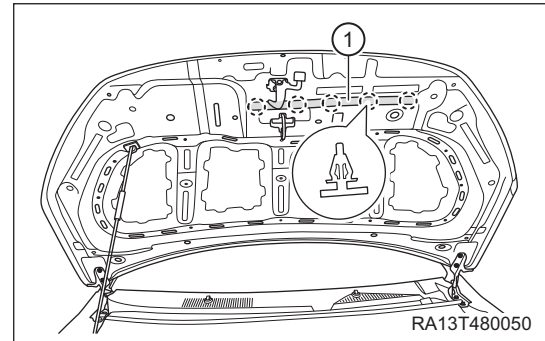
2. Remove the hood adjustable buffer block.

- a. Turn hood adjustable buffer block (arrow) counterclockwise to remove it.

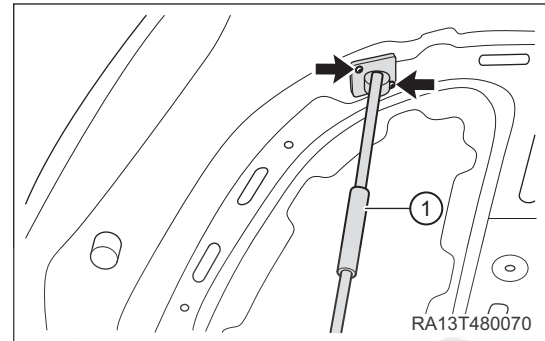


48 - ENGINE HOOD/DOOR

3. Remove the engine weatherstrip.
 - a. Disengage clips from engine weatherstrip, and remove engine weatherstrip (1).



4. Remove 2 fixing screws (arrow) from holder, and remove hood support rod (1).



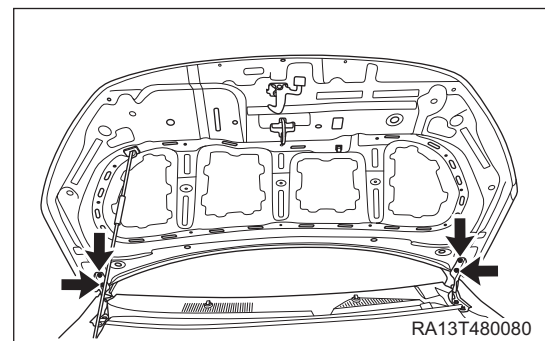
CAUTION

- Be sure to wear safety equipment to prevent accidents, when removing hood support rod.
- Try to prevent body paint surface from being scratched, when removing hood support rod.
- When removing hood support rod, try to prevent hood from dropping, otherwise, body may be damaged.

WARNING

- When removing hood support rod, an assistant is needed to hold hood. Try to prevent hood from dropping or suddenly closing to cause accidents during operation.

5. Remove the hood assembly.
 - a. Remove 4 fixing nuts (arrow) between hood assembly and hood hinge assembly, and remove hood assembly.
(Tightening torque: 25 ± 2 N·m)



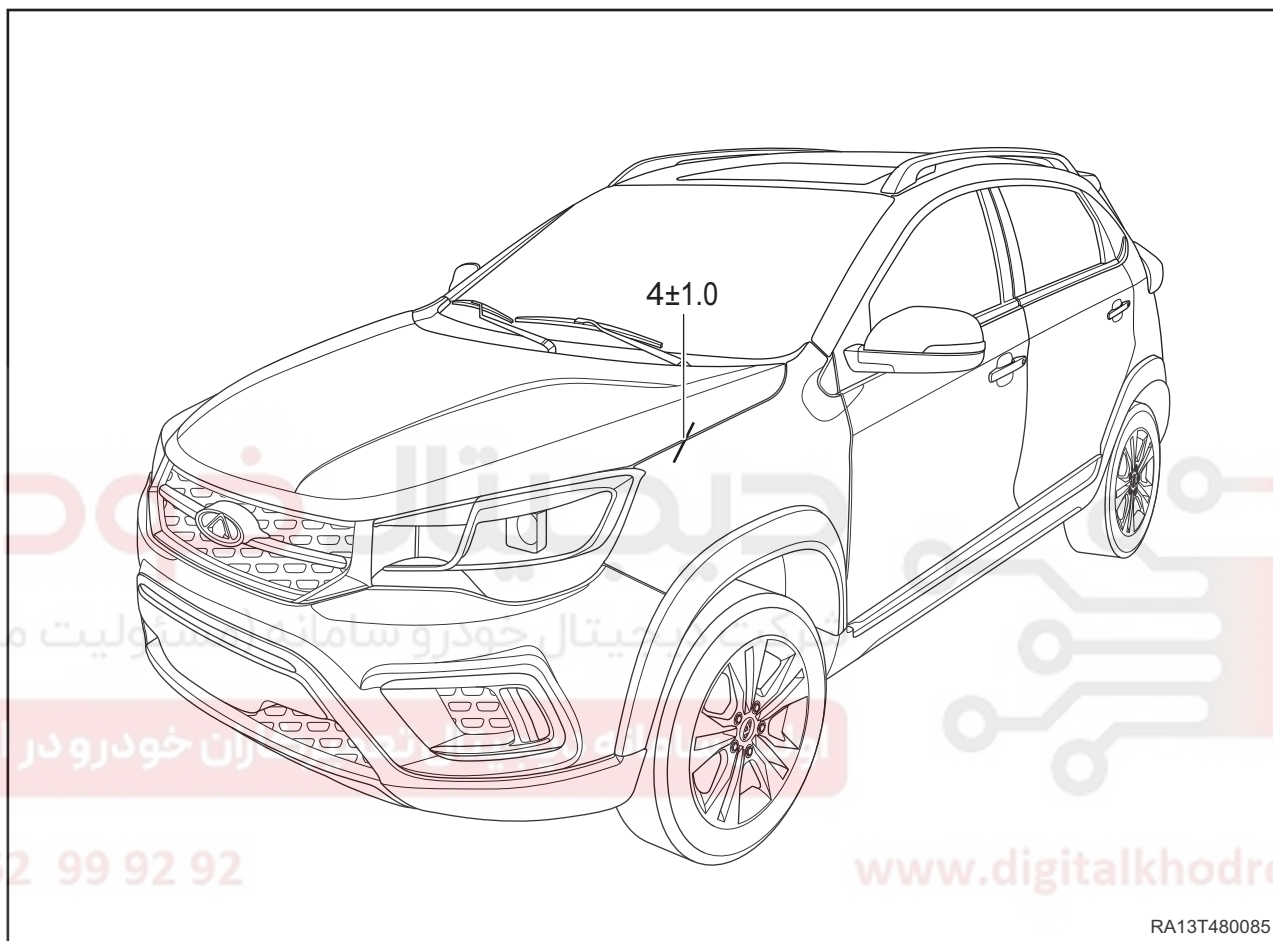
Installation

Installation is in the reverse order of removal.

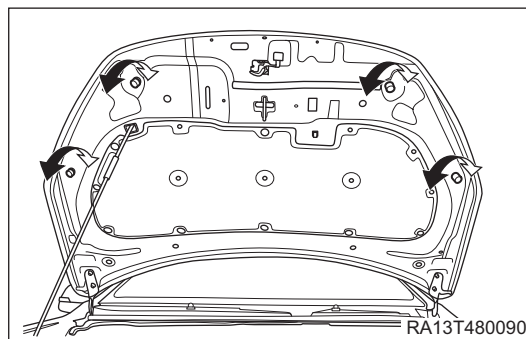
Adjustment

1. Adjust the hood assembly.
 - a. Loosen fixing bolts on hood hinge assembly.
 - b. Adjust clearance of hood assembly to standard range and pre-tighten fixing bolts on hood hinge assembly.

Standard ranges of clearance between installation position of hood assembly and each part are as follows:



- c. After adjustment, tighten fixing bolts between hood hinge assembly and hood assembly to specified torque.
(Tightening torque: 25 ± 2 N·m)
 - d. After adjustment, tighten fixing bolts between hood hinge assembly and body to specified torque.
(Tightening torque: 25 ± 2 N·m)
2. Adjust height of hood front end with adjustable buffer blocks.
 - a. Raise or lower hood front end by rotating adjustable buffer blocks clockwise or counterclockwise.



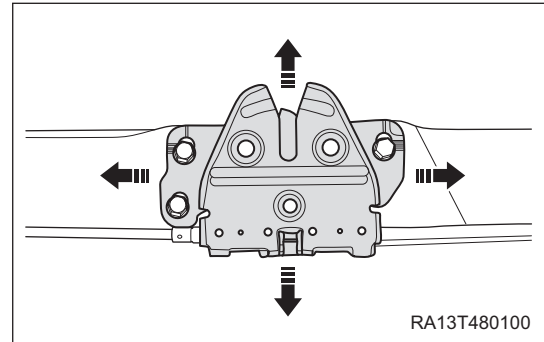
48 - ENGINE HOOD/DOOR

- b. After adjustment, make sure that alignment between hood assembly and wing assembly is within standard range.

Standard alignment: 4 ± 1.0 mm

3. Adjust the hood lock assembly.

- a. Slightly loosen fixing nuts of hood lock assembly, and adjust hood lock assembly in direction of arrow as shown in illustration.



- b. Tighten hood lock assembly fixing nuts to specified torque after adjustment.
(Tightening torque: 9 ± 1 N·m)

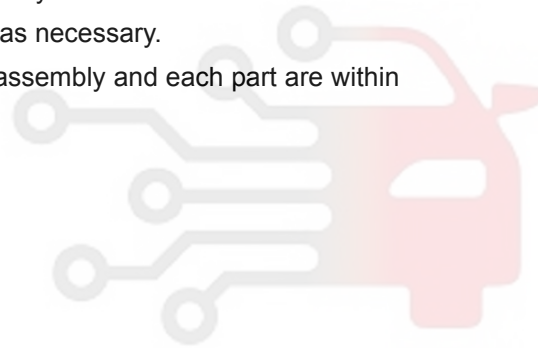
Inspection

After hood assembly is adjusted, perform following inspections:

1. Check hood for wear or deformation during installation. Repair as necessary.
2. Check if fixing bolts are set in position. Tighten them to specified torque as necessary.
3. Check if clearance and alignment between installation position of hood assembly and each part are within specified range. Adjust as necessary.

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Hood Hinge Assembly

Removal

HINT:

- Use same procedures for right and left sides.
- Procedures listed below are for left side.

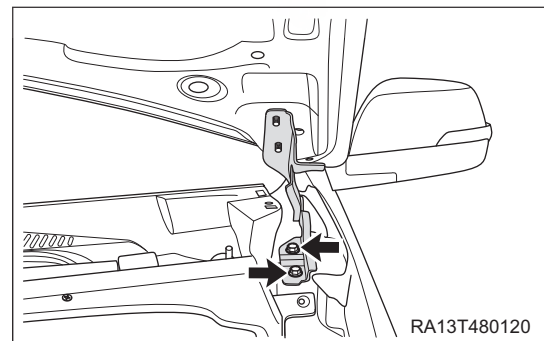
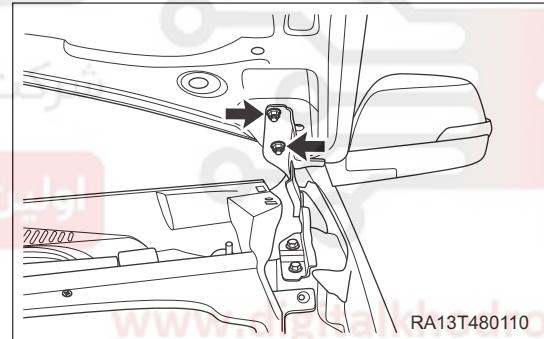
CAUTION

- Be sure to wear safety equipment to prevent accidents, when removing hood hinge assembly.
- When removing hood hinge assembly, try to prevent hood from dropping, otherwise, body or front windshield may be damaged.

WARNING

- When removing hood hinge assembly, an assistant is needed to hold hood. Try to prevent hood from dropping or suddenly closing to cause accidents during operation.

1. Remove the front hub assembly.
 - a. Remove 2 fixing nuts (arrow) between hood left hinge assembly and hood assembly.
(Tightening torque: 25 ± 2 N·m)
 - b. Remove 2 fixing bolts (arrow) between hood left hinge assembly and body, and remove hood left hinge assembly.
(Tightening torque: 25 ± 2 N·m)



Installation

Installation is in the reverse order of removal.

Hood Cable Assembly

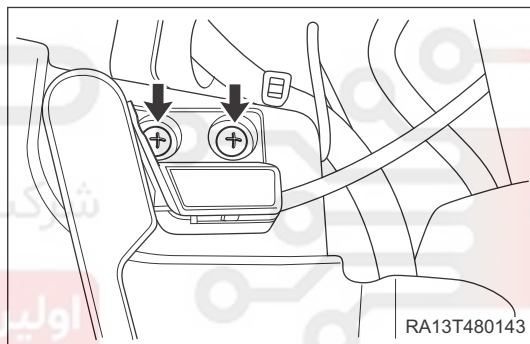
Removal

CAUTION

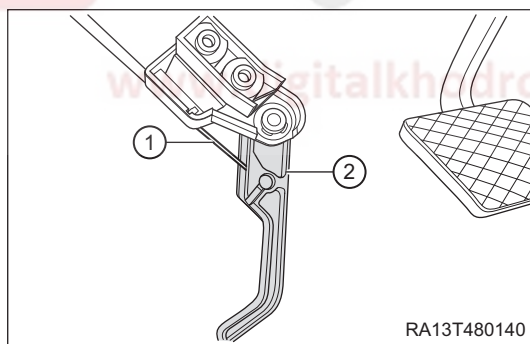
- Be sure to wear safety equipment to prevent accidents, when removing hood cable assembly.
- Try to prevent interior and body paint surface from being scratched, when removing hood cable assembly.

1. Turn off all electrical equipment and the ignition switch.
2. Disconnect the negative battery cable.
3. Remove the front bumper assembly (See page 49-7).
4. Remove the hood lock assembly (See page 48-14).
5. Remove the A-pillar lower protector assembly (See page 50-15).
6. Remove the front windshield lower trim board assembly (See page 49-29).
7. Remove the hood cable assembly.

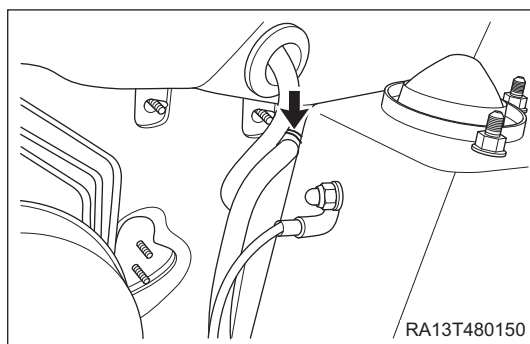
- a. Remove 2 fixing screws (arrow) from hood grip drive block.



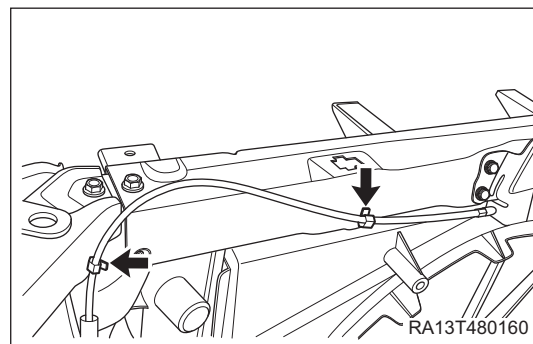
- b. Disengage hood cable assembly (1) from hood grip drive block (2).



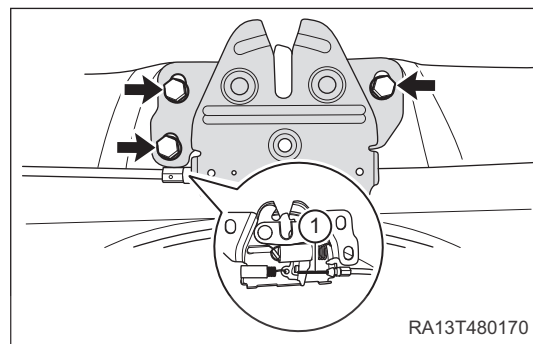
- c. Using a screwdriver wrapped with protective tape, pry up rubber cushion (arrow).



- d. Disengage clips (arrow) from hood cable assembly, and remove hood cable assembly.



- e. Remove 3 fixing bolts (arrow) from hood lock, and disengage cable assembly (1).



Installation

Installation is in the reverse order of removal.

CAUTION

- After installing hood cable assembly, make sure that hood can be opened smoothly without seizing.

Front Door Inner Protector Assembly

Removal

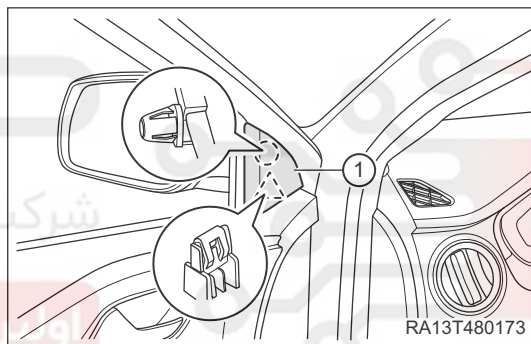
HINT:

- Use same procedures for right and left sides.
- Procedures listed below are for left side.

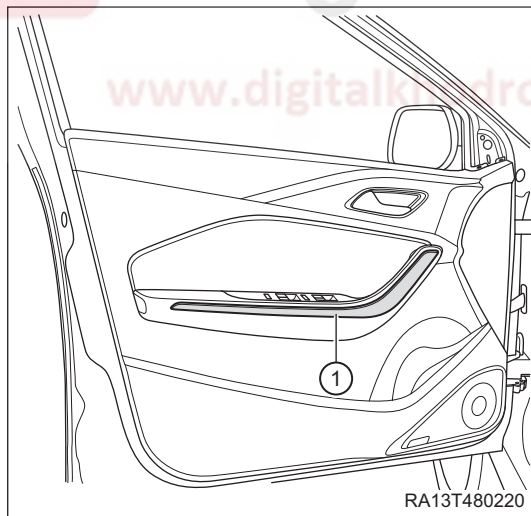
CAUTION

- Be sure to wear safety equipment to prevent accidents, when removing front door inner protector assembly.
- Try to prevent front door inner protector surface from being damaged, when removing front door inner protector assembly.

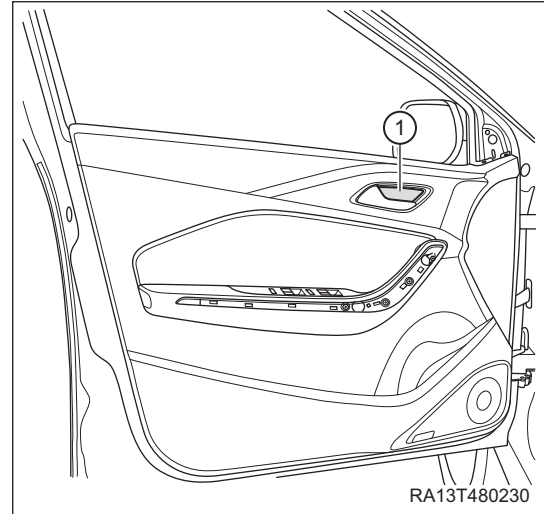
1. Turn off all electrical equipment and the ignition switch.
2. Disconnect the negative battery cable.
3. Remove the left outside rear view mirror inner triangular block.
 - a. Using a screwdriver wrapped with protective tape, pry up clips on outside rear view mirror inner triangular block, and remove left outside rear view mirror inner triangular block (1).



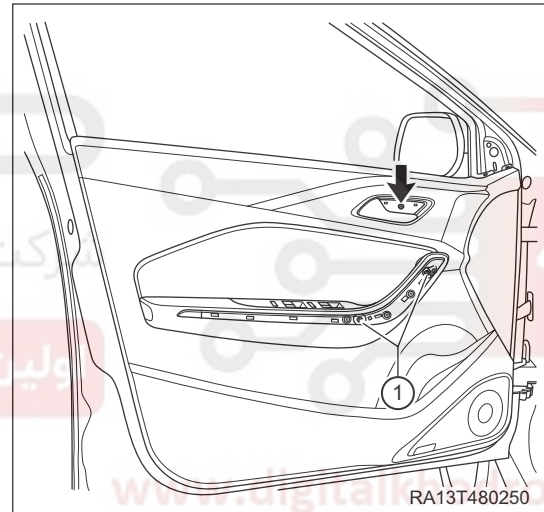
4. Remove the front left door inside handle trim strip (1).



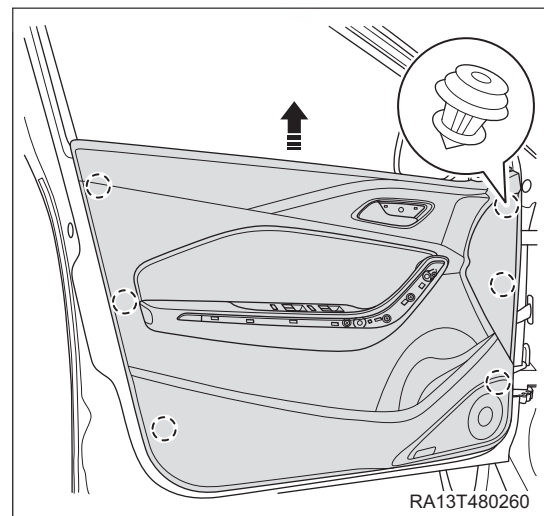
5. Remove the front left door inside handle screw block cover.
 - a. Using a screwdriver wrapped with protective tape, pry up front left door inside handle screw block cover (1).



6. Remove the power glass regulator control master switch (See page 44-40).
7. Remove the front left door inner protector assembly.
 - a. Remove 4 fixing screws (arrow) and 2 bolts (1) from front door inner protector assembly.
(Tightening torque for screw: 1.5 ± 0.5 N·m)

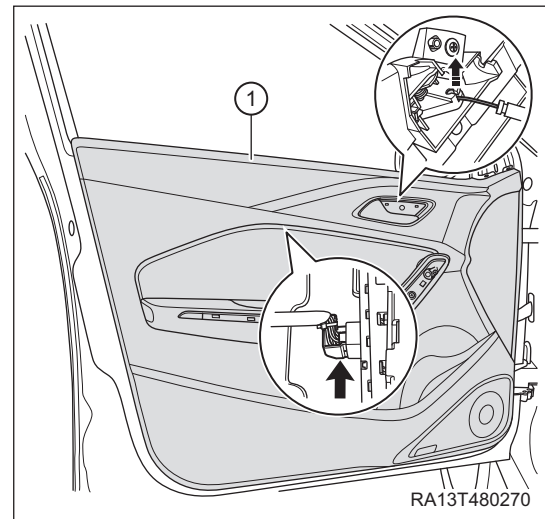


- b. Using an interior crow plate, pry up clips on front door inner protector assembly, and loosen front door inner protector assembly in direction of arrow as shown in illustration.

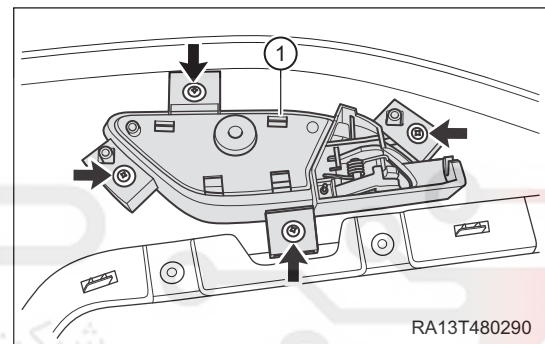


48 - ENGINE HOOD/DOOR

- c. Disengage front door inside handle cable (arrow) from front door inside handle, and remove front left door glass regulator switch connector (arrow).
- d. Remove the front left door inner protector assembly (1).



8. Remove the front door inside handle.
 - a. Remove 4 fixing screws (arrow) from front door inside handle.
(Tightening torque: $1.5 \pm 0.5 \text{ N}\cdot\text{m}$)
 - b. Using a screwdriver wrapped with protective tape, pry up claws (arrow) on front door inside handle, and remove front door inside handle (1).

**Installation**

Installation is in the reverse order of removal.

CAUTION

- Replace damaged clips and install front door inner protector assembly in place, when installing front door inner protector assembly.
- Install connectors in place, when installing front door inner protector assembly.
- Check that each function can operate properly, after installing front door inner protector assembly.

Front Door Assembly

Removal

HINT:

- Use same procedures for right and left sides.
- Procedures listed below are for left side.

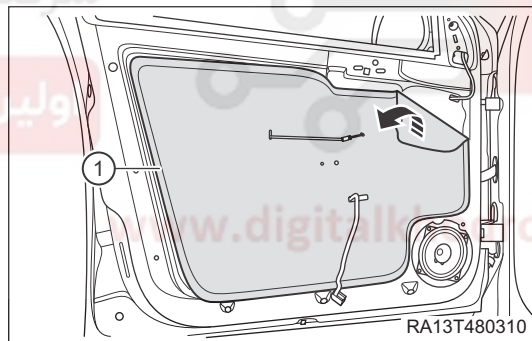
CAUTION

- Be sure to wear safety equipment to prevent accidents, when removing front door assembly.
- Try to prevent body paint surface from being scratched, when removing front door assembly.

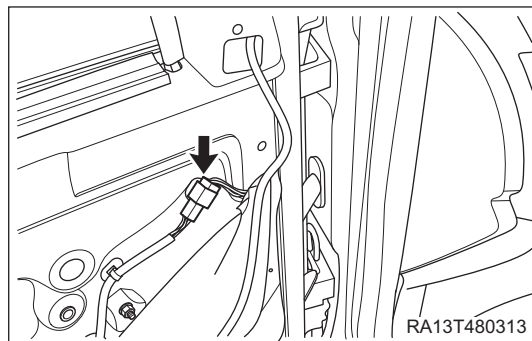
WARNING

- When removing front door assembly, an assistant is needed to hold front door, to prevent front door from dropping to cause accidents during operation.

1. Turn off all electrical equipment and the ignition switch.
2. Disconnect the negative battery cable.
3. Remove the front left door inner protector assembly (See page 48-16).
4. Remove the front left door protective film assembly.
 - a. As shown in illustration, remove front left door protective film assembly (1) by gently peeling it along edges from one corner of front left door protective film assembly.



- b. Disconnect the left rear view mirror connector (arrow).

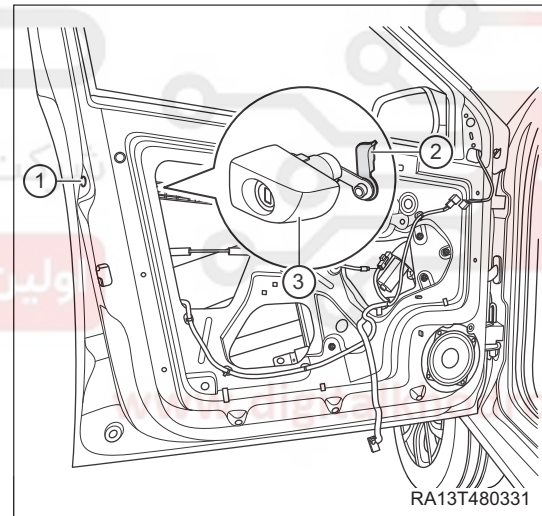


CAUTION

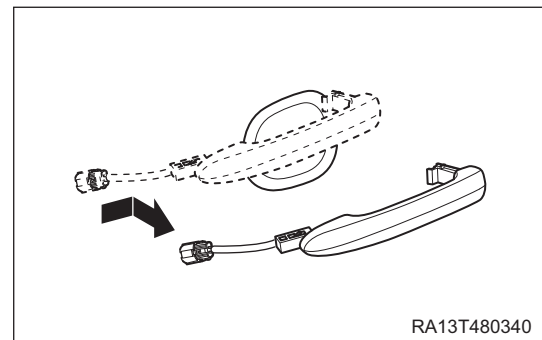
- Try to prevent front door protective film from being damaged, when removing front door protective film assembly.
- Place front door protective film assembly properly after removal, and avoid adhesive sticker on front door protective film assembly from sticking to other components.

5. Remove the front left door speaker assembly (See page 39-35).
6. Remove the left outside rear view mirror assembly (See page 45-9).
7. Remove the front left door weather bar (See page 44-43).
8. Remove the front door glass upper run (See page 44-44).
9. Remove the front door glass rear guide rail assembly (See page 44-47).
10. Remove the front door glass assembly (See page 44-46).
11. Remove the front door power glass regulator (See page 44-47).
12. Remove the front left door lock assembly (See page 37-39).
13. Remove the front left door key cylinder assembly (See page 37-41).
14. Remove the front left door outside handle.

- a. Using a screwdriver wrapped with protective tape, pry up front left door lock block cover (1), loosen door lock screw and clip (2) and remove key cylinder assembly (3).

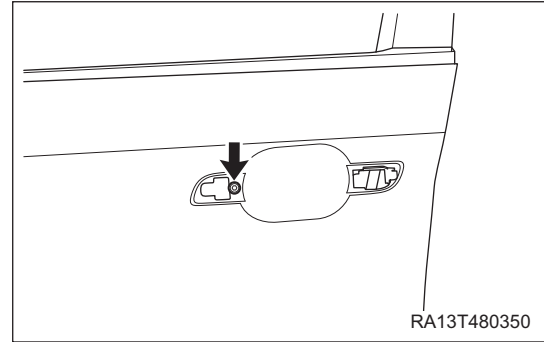


- b. Slide and pull front door outside handle in direction of arrow as shown in illustration to remove it.

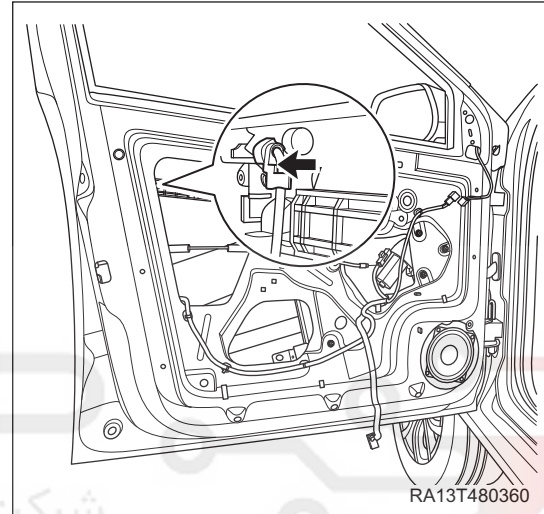


15. Remove the front left door outside handle base assembly.

- a. Remove fixing screw (arrow) from front door outside handle base assembly.
(Tightening torque: 7 ± 1 N·m)

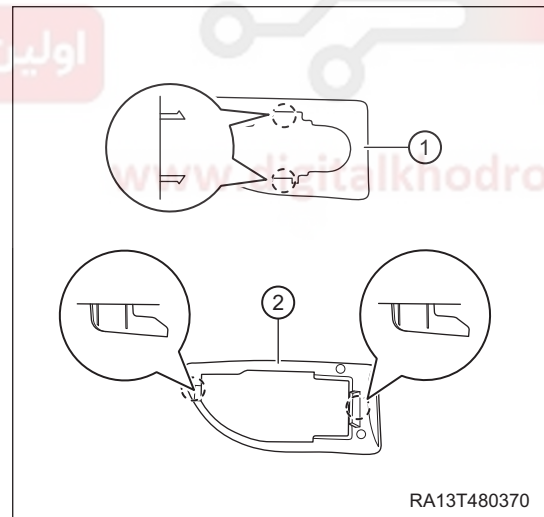


- b. Disengage clip (arrow) from door lock link, and remove front left door outside handle base assembly.



16. Remove the front left door outside handle shim.

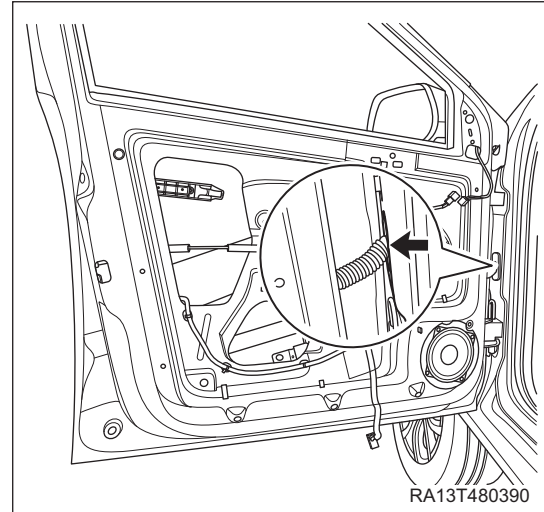
- a. Disengage claws on front door outside handle front shim, and remove front left door outside handle front shim (1).
- b. Disengage claws on front door outside handle rear shim, and remove front left door outside handle rear shim (2).



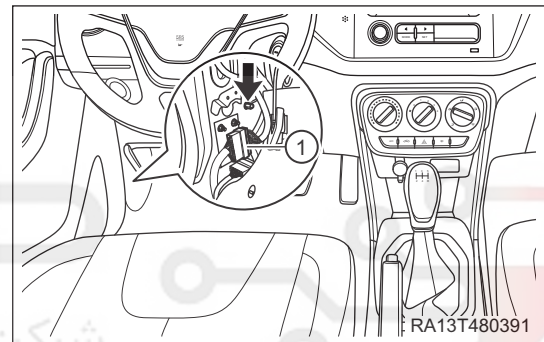
48 - ENGINE HOOD/DOOR

17. Disconnect the front left door connector.

- a. Using a screwdriver wrapped with protective tape, pry up front door dust boot.

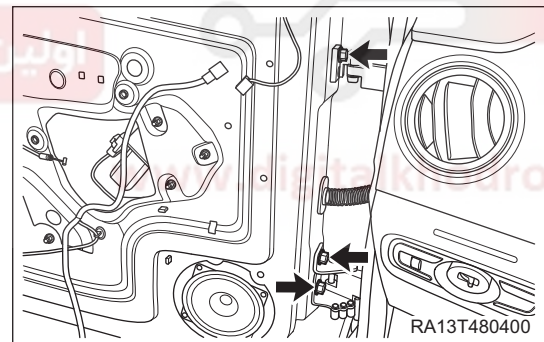


- b. Disconnect front left door wire harness connector (1) and remove ground wire fixing nut (arrow).



18. Remove the front left door assembly.

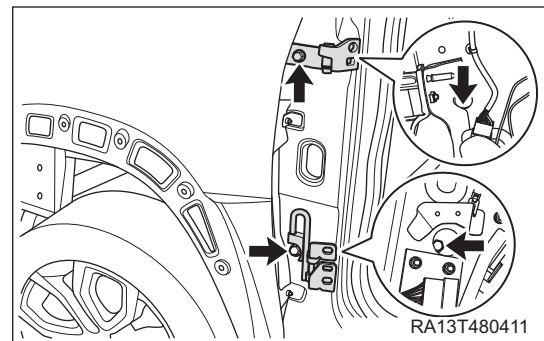
- a. Remove 3 fixing bolts (arrow) between front door hinge assembly and front door assembly.



- b. Remove the front left door assembly.

19. Remove the front left door hinge assembly.

- a. Remove 2 fixing bolts (arrow) between front door hinge assembly and body, and 2 fixing bolts on back of hinge.
- b. Remove front door upper hinge assembly (1) and front door lower hinge assembly (2).



Installation

Installation is in the reverse order of removal.

CAUTION

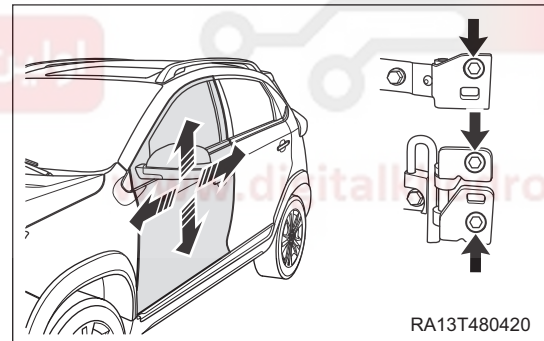
- Replace damaged clips and install front door inner protector in place, when installing front door inner protector.
- Stick protective film in specified position, not in a wrong position or an asymmetric position between left and right sides or cover the mounting holes of other installation parts.
- DO NOT drag protective film when sticking. It should be installed under its original condition and ensure sheet metal is clean before installation.
- Finished protective film should have no defects, such as wrinkles, bubbles or turnups.
- Finished protective film should have powerful adherence. Protective film sticking should be finished at one time. Avoid repeat sticking.

WARNING

- Be sure to wear safety equipment to prevent accidents, when installing front door assembly.
- When installing front door assembly, an assistant is needed to hold front door, to prevent front door from dropping to cause accidents during operation.

Adjustment

1. Adjust the front door assembly.
 - a. Loosen 3 fixing bolts on front door hinge assembly, and adjust front door assembly position in direction of arrow as shown in illustration.

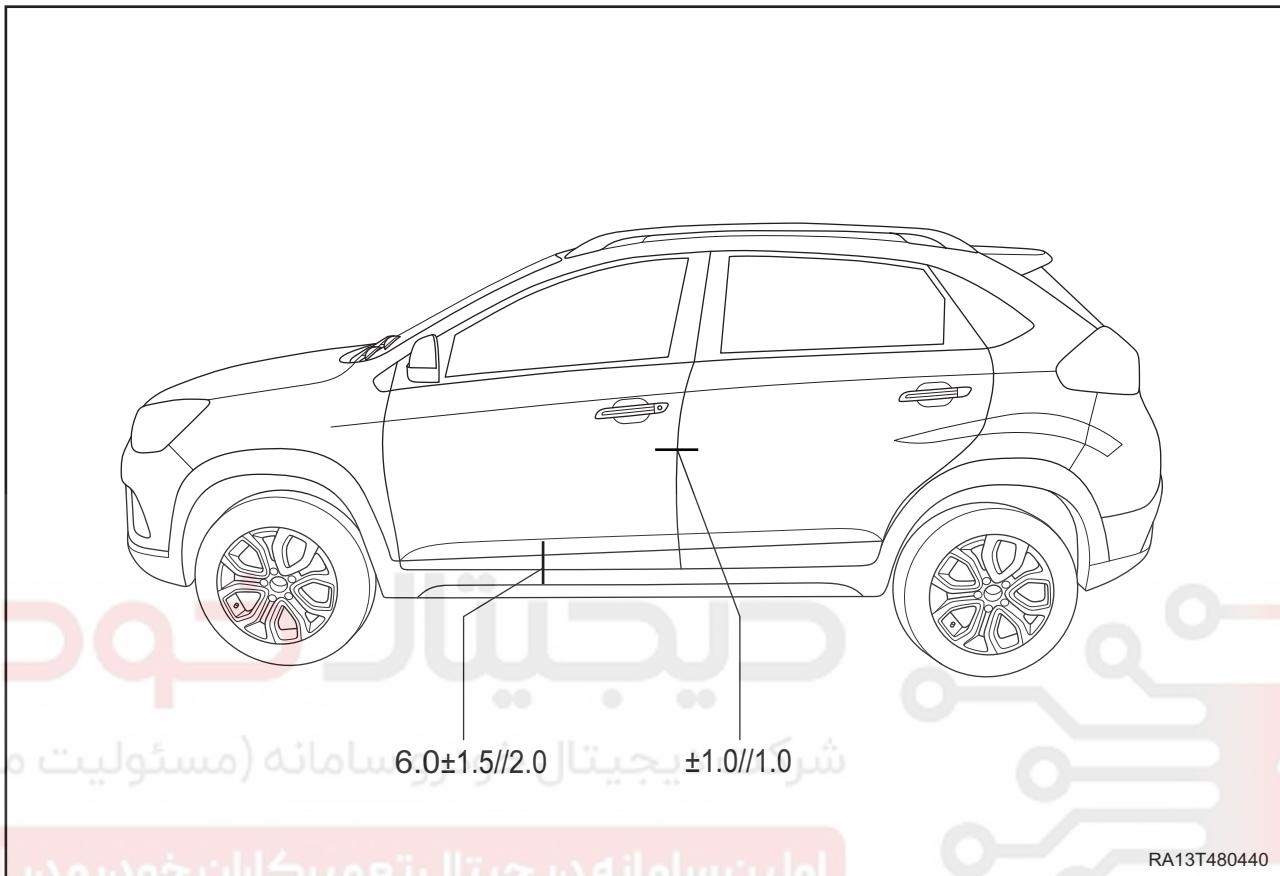


48 - ENGINE HOOD/DOOR

- b. Tighten fixing bolts on front door hinge assembly to specified torque after adjustment.

(Tightening torque: 55 ± 5 N·m)

Standard ranges of clearance and alignment between installation positions of front door assembly and each part are as follows:

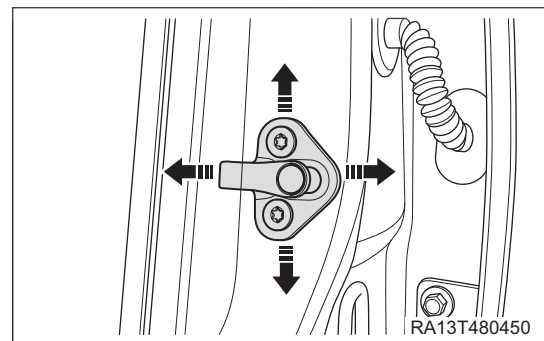


- c. After adjustment, make sure alignment between front door assembly and rear door assembly is within standard range.

Standard alignment: ± 1.0 mm

2. Adjust the front door lock striker.

- a. Slightly loosen fixing screws on front door lock striker, and tap it with a plastic hammer in direction of arrow as shown in illustration, to adjust the lock striker position.



- b. Tighten fixing screws on front door lock striker to specified torque after adjustment.

(Tightening torque: 23 ± 1 N·m)

Inspection

After front door assembly is adjusted, perform following inspections:

1. Check front door assembly for wear or deformation during installation. Repair as necessary.
2. Check if fixing bolts and fixing screws are set in position. Tighten them to specified torque as necessary.
3. Check if clearance and alignment between installation position of front door assembly and each part are within specified range. Adjust as necessary.

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Rear Door Inner Protector Assembly

Removal

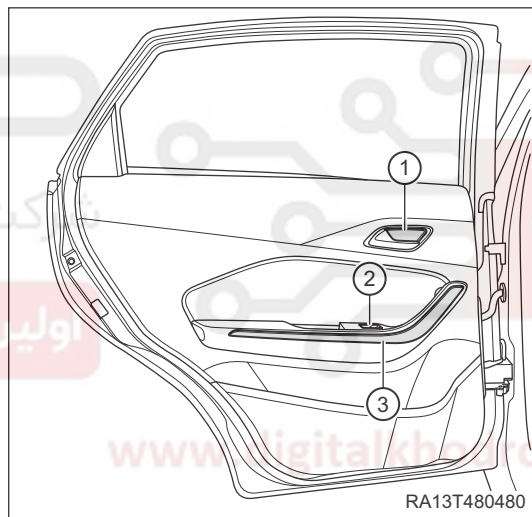
HINT:

- Use same procedures for right and left sides.
- Procedures listed below are for left side.

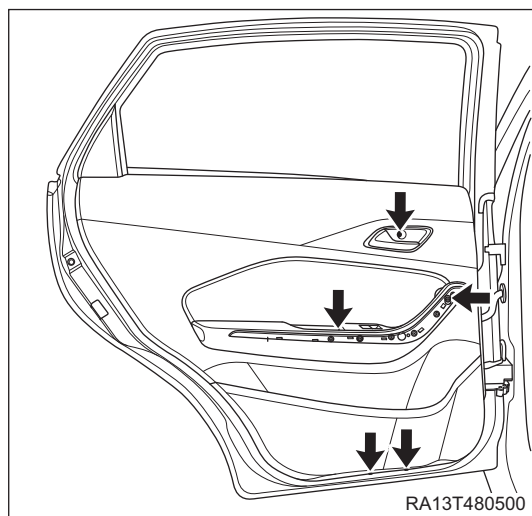
CAUTION

- Be sure to wear safety equipment to prevent accidents, when removing rear door inner protector assembly.
- Try to prevent rear door inner protector surface from being damaged, when removing rear door inner protector assembly

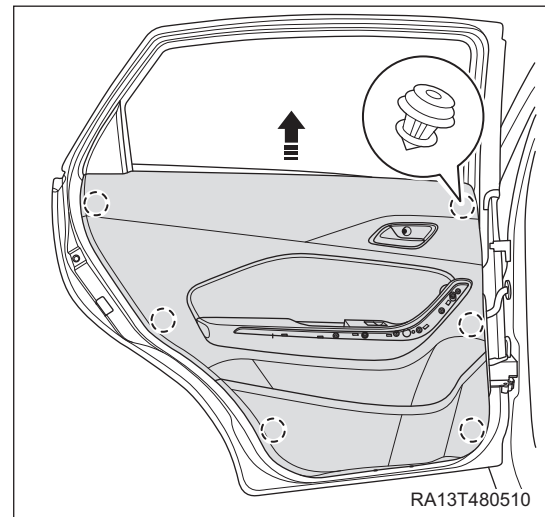
1. Turn off all electrical equipment and the ignition switch.
2. Disconnect the negative battery cable.
3. Remove the rear left door inside handle screw block cover.
 - a. Using a screwdriver wrapped with protective tape, pry up rear left door inside handle screw block covers (1) and (2) as well as rear left door inner protector trim strip (3).



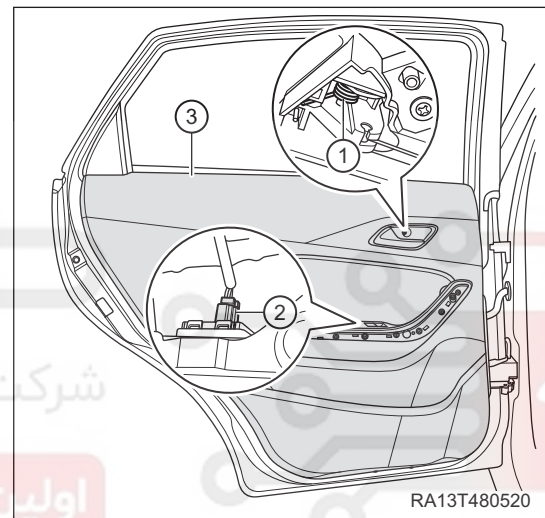
4. Remove the rear left door inner protector assembly.
 - a. Remove 5 fixing screws (arrow) from rear left door inner protector assembly.
(Tightening torque: $1.5 \pm 0.5 \text{ N}\cdot\text{m}$)



- b. Using an interior crow plate, pry up clips on rear door inner protector assembly, and loosen rear door inner protector assembly in direction of arrow as shown in illustration.

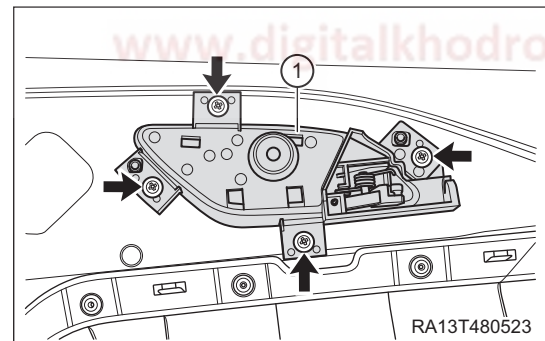


- c. Disengage handle cable (1) and regulator switch connector (2) from rear door inside handle, and remove inner protector assembly (3).



5. Remove the rear door inside handle.

- a. Remove 4 fixing screws (arrow) from rear door inside handle.
(Tightening torque: $1.5 \pm 0.5 \text{ N}\cdot\text{m}$)
- b. Using a screwdriver wrapped with protective tape, pry up claws on rear door inside handle, and remove rear door inside handle (1).



48 - ENGINE HOOD/DOOR

Installation

Installation is in the reverse order of removal.

CAUTION

- Replace damaged clips and install rear door inner protector assembly in place, when installing rear door inner protector assembly.
- Check that inside handle assembly can be used normally, after installing rear door inner protector assembly.

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Rear Door Assembly

Removal

HINT:

- Use same procedures for right and left sides.
- Procedures listed below are for left side.

CAUTION

- Be sure to wear safety equipment to prevent accidents, when removing rear door assembly.
- Try to prevent rear door protector surface from being damaged, when removing rear door assembly.

WARNING

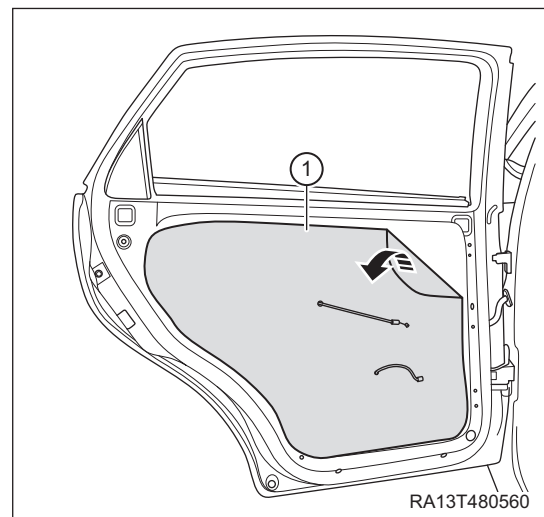
- When removing rear door assembly, an assistant is needed to hold rear door, to prevent rear door from dropping to cause accidents during operation.

1. Turn off all electrical equipment and the ignition switch.
2. Disconnect the negative battery cable.
3. Remove the rear left door inner protector assembly (See page 48-26).
4. Remove the rear left door protective film assembly.

CAUTION

- Try to prevent rear door protective film from being damaged, when removing rear door protective film assembly.
- Place rear door protective film assembly properly after removal, and avoid adhesive sticker on rear door protective film assembly from sticking to other components.

- a. As shown in illustration, remove rear left door protective film assembly (1) by gently peeling it along edges from one corner of rear left door protective film assembly.

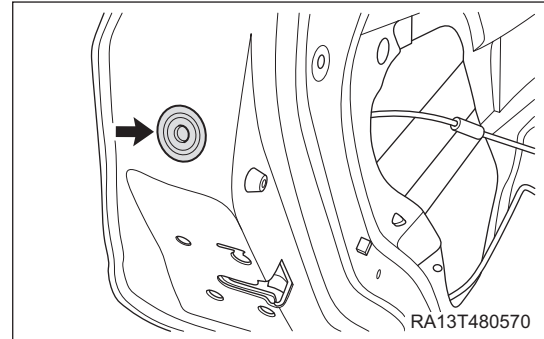


48

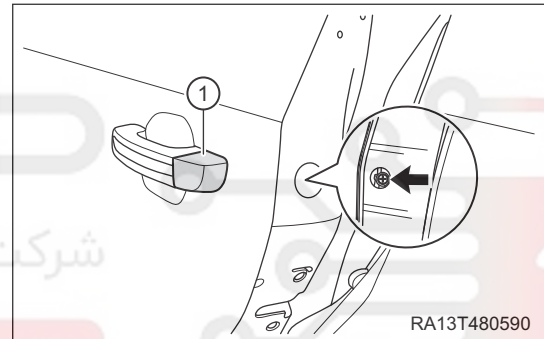
5. Remove the rear left door opening weatherstrip (See page 50-12).
6. Remove the rear left door weather bar (See page 44-52).

48 - ENGINE HOOD/DOOR

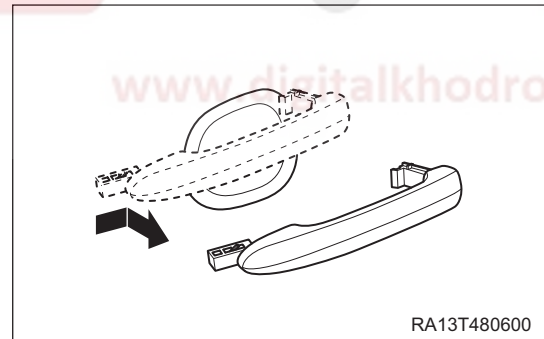
7. Remove the rear door glass upper run (See page 44-56).
8. Remove the rear door glass guide rail assembly (See page 44-57).
9. Remove the rear door glass assembly (See page 44-54).
10. Remove the rear door power glass regulator (See page 44-58).
11. Remove the rear left door lock assembly (See page 37-44).
12. Remove the B-pillar lower protector assembly (See page 50-17).
13. Remove the rear left door outside handle cover.
 - a. Remove the rear door outside handle cover plug (arrow).



- b. Loosen fixing screw (arrow) on rear door outside handle cover, and remove rear door outside handle cover (1).
(Tightening torque: 7 ± 1 N·m)

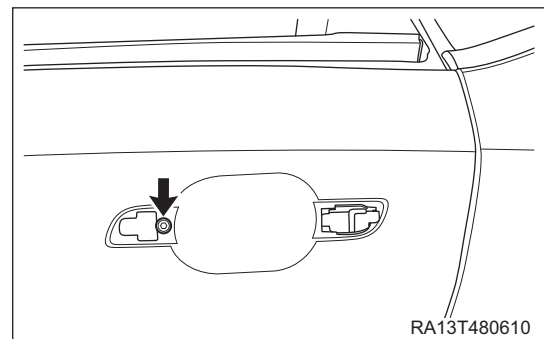


14. Remove the rear left door outside handle.
 - a. Slide and pull rear door outside handle in direction of arrow as shown in illustration to remove it.



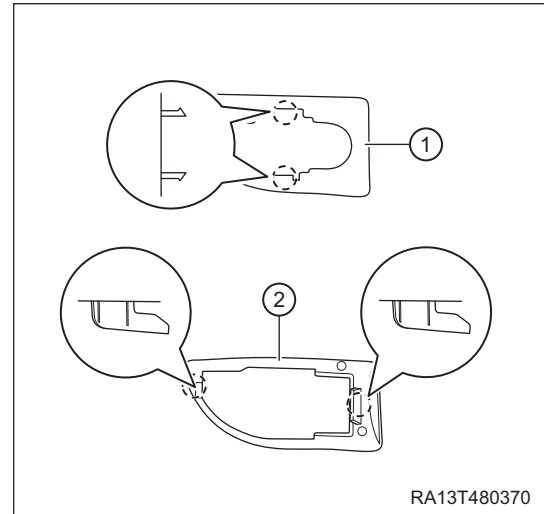
48

15. Remove the rear left door outside handle base assembly.
 - a. Remove 1 fixing screw (arrow) from rear left door outside handle base assembly, and remove rear left door outside handle base assembly.
(Tightening torque: 7 ± 1 N·m)



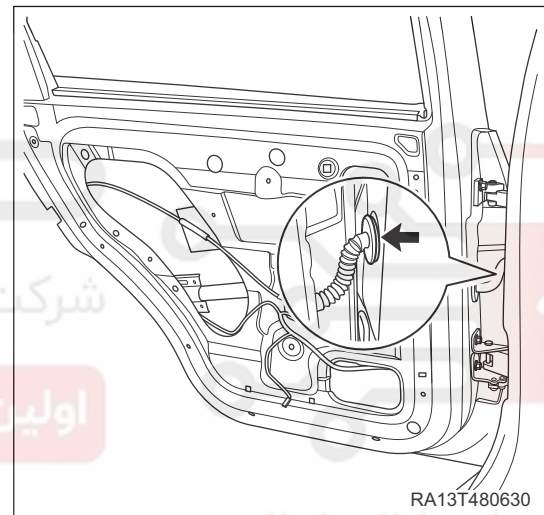
16. Remove the rear left door outside handle shim.

- a. Disengage claws on rear door outside handle front shim, and remove rear left door outside handle front shim (1).
- b. Disengage claws on rear door outside handle rear shim, and remove rear left door outside handle rear shim (2).

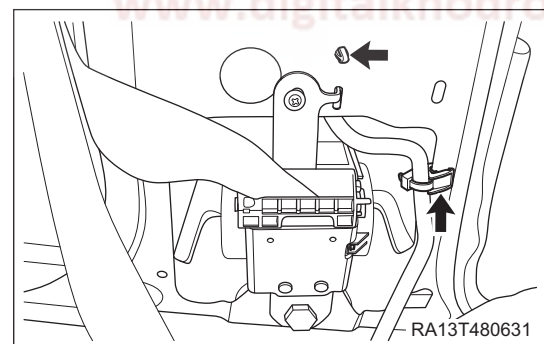


17. Disconnect the rear left door connector.

- a. Using a screwdriver wrapped with protective tape, pry up rear door dust boot.

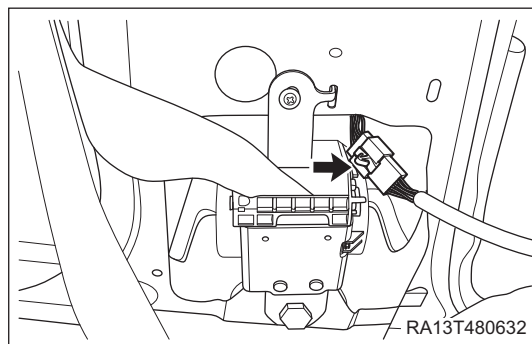


- b. Using a screwdriver wrapped with protective tape, pry up connector wire harness fixing clip (arrow).



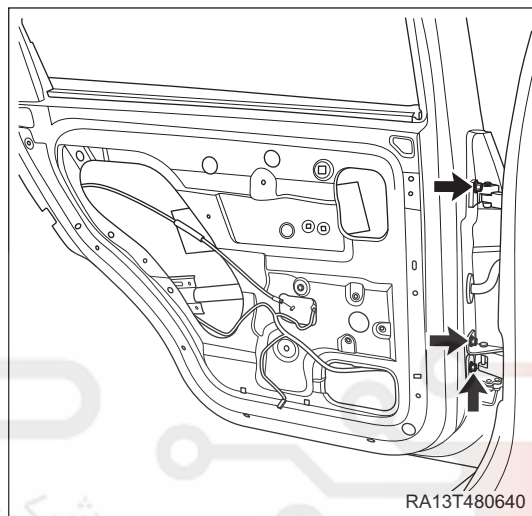
48 - ENGINE HOOD/DOOR

- c. Disconnect the rear left door connector (arrow).

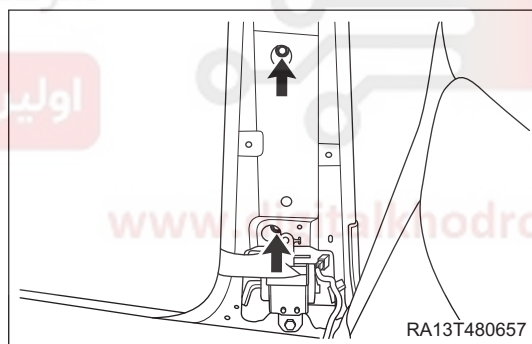


18. Remove the rear left door assembly.

- a. Remove 2 fixing bolts (arrow) between rear door hinge assembly and rear door assembly.
(Tightening torque: 55 ± 5 N·m)



- b. Remove 2 fixing bolts (arrow) between rear door hinge and B-pillar.



- c. Remove the rear left door assembly.

Installation

Installation is in the reverse order of removal.

CAUTION

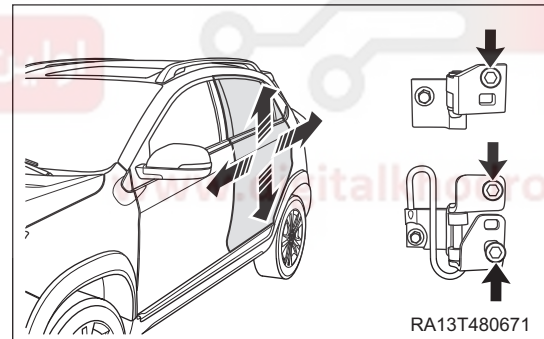
- Replace damaged clips and install rear door inner protector in place, when installing rear door inner protector.
- Stick protective film in specified position, not in a wrong position or an asymmetric position between left and right sides or cover the mounting holes of other installation parts.
- DO NOT drag protective film when sticking. It should be installed under its original condition and ensure sheet metal is clean before installation.
- Finished protective film should have no defects, such as wrinkles, bubbles or turnups.
- Finished protective film should have powerful adherence. Protective film sticking should be finished at one time. Avoid repeat sticking.

WARNING

- Be sure to wear safety equipment to prevent accidents, when installing rear door assembly.
- When installing rear door assembly, an assistant is needed to hold rear door, to prevent rear door from dropping to cause accidents during operation.

Adjustment

1. Adjust the rear door assembly.
 - a. Loosen fixing bolts on rear door hinge assembly and adjust rear door assembly position in direction of arrow as shown in illustration.



48 - ENGINE HOOD/DOOR

- b. Tighten fixing bolts on rear door hinge assembly to specified torque after adjustment.

(Tightening torque: 55 ± 5 N·m)

Standard ranges of clearance between installation position of rear door assembly and each part are as follows:



- c. After adjustment, make sure alignment between rear door assembly and front door assembly is within standard range.

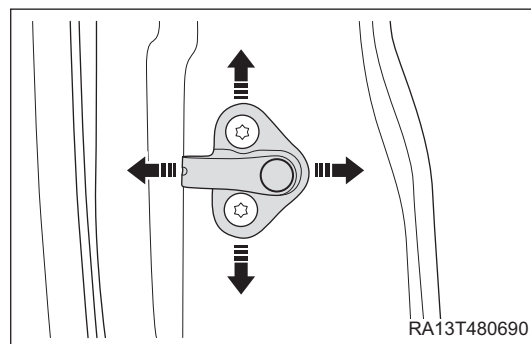
Standard alignment: ± 1.0 mm

- d. After adjustment, make sure alignment between rear door assembly and body outer panel is within standard range.

Standard alignment: 4.0 ± 1.0 mm

2. Adjust the rear left door lock striker assembly.

- a. Slightly loosen fixing screws on rear door lock striker, and tap it with a plastic hammer in direction of arrow as shown in illustration, to adjust the lock striker position.



- b. Tighten fixing screws on rear door lock striker assembly to specified torque after adjustment.

(Tightening torque: 23 ± 1 N·m)

Inspection

After rear left door assembly is adjusted, perform following inspections:

1. Check rear door assembly for wear or deformation during installation. Repair as necessary.
2. Check if fixing bolts and fixing screws are set in position. Tighten them to specified torque as necessary.
3. Check if clearance and alignment between installation position of rear door assembly and each part are within specified range. Adjust as necessary.

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Back Door Assembly

Removal

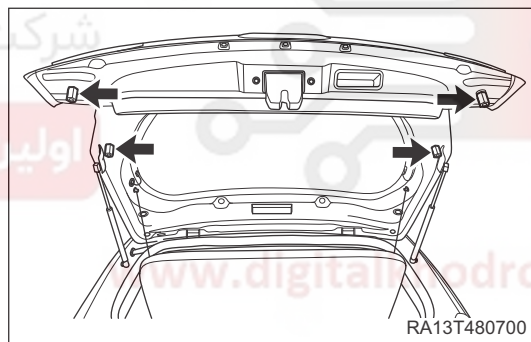
CAUTION

- Be sure to wear safety equipment, when removing back door assembly.
- Try to prevent body paint surface from being scratched, when removing back door assembly.

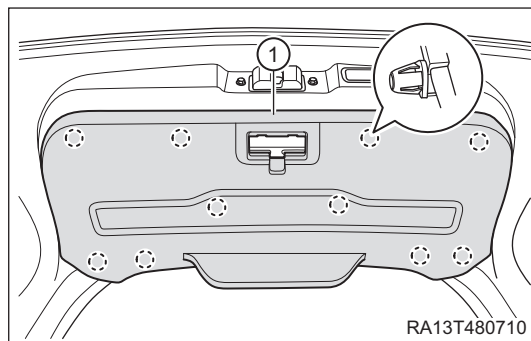
WARNING

- When removing back door assembly, an assistant is needed to hold back door, so as to prevent back door from dropping or suddenly closing to cause accidents during operation.

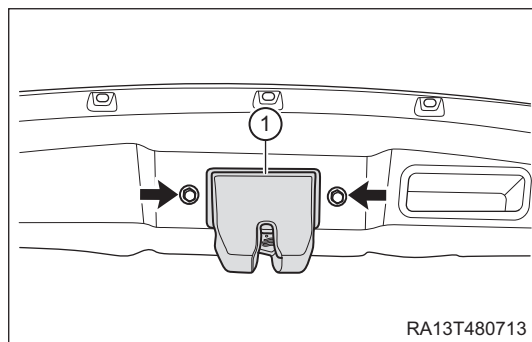
1. Turn off all electrical equipment and the ignition switch.
2. Disconnect the negative battery cable.
3. Remove the back door adjustable buffer block.
4. Remove the C-pillar upper protector.
5. Remove the left speaker cover assembly.
6. Remove the tonneau cover assembly.
 - a. Turn 4 back door adjustable buffer blocks (1) counterclockwise to remove them.



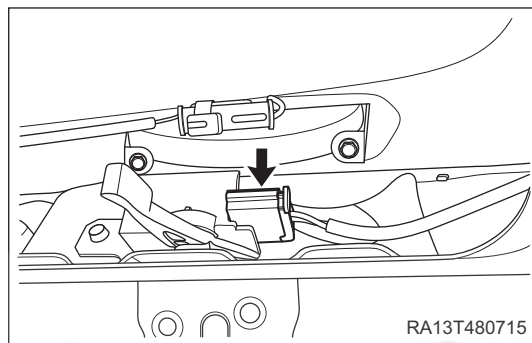
7. Remove the back door trim board assembly.
 - a. Remove plastic clips (arrow) from back door trim board assembly, and remove back door trim board assembly (1).



8. Remove the back door lock latch assembly.
- a. Remove 2 fixing bolts (arrow) from back door lock latch, and pry up lock latch protective cover (1) with a screwdriver wrapped with protective tape.



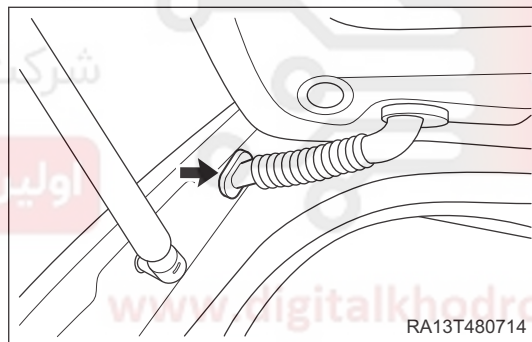
- b. Disconnect the back door lock latch wire harness connector (arrow).



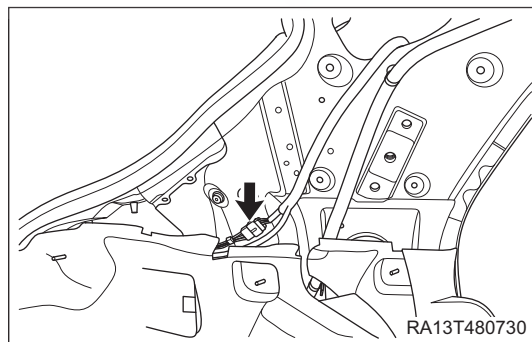
- c. Remove the back door lock latch assembly.

9. Remove the back door assembly.

- a. Using a screwdriver wrapped with protective tape, pry up back door dust boot (arrow).

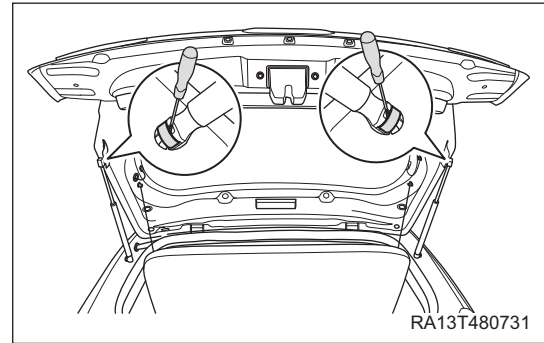


- b. Remove back door wire harness fixing clip (arrow), and disconnect back door lock wire harness connector (1).



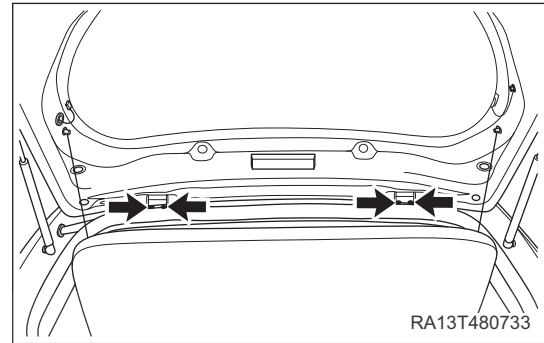
48 - ENGINE HOOD/DOOR

- c. Disconnect the back door hydraulic support rod (1).



- d. Remove 4 fixing bolts (arrow) between back door hinge assembly and back door assembly, and remove back door assembly.

(Tightening torque: 25 ± 2 N·m)



Installation

Installation is in the reverse order of removal.

CAUTION

- Be sure to wear safety equipment to prevent accidents, when installing back door assembly.
- Try to prevent body paint surface from being scratched, when installing back door assembly.

WARNING

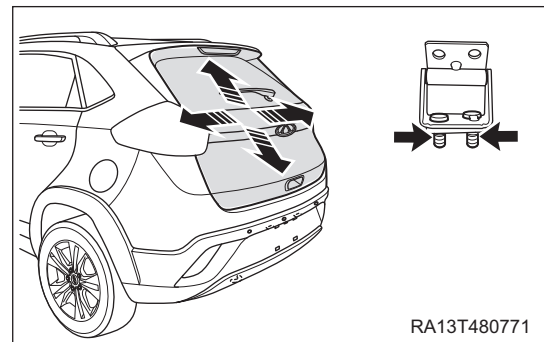
- When installing back door assembly, an assistant is needed to hold back door, so as to prevent back door from dropping or suddenly closing to cause accidents during operation.

Adjustment

1. Adjust the back door assembly.

48

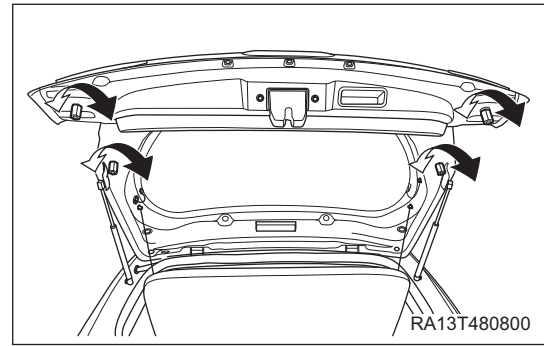
- a. Loosen fixing bolts on back door assembly, and adjust back door assembly position in direction of arrow as shown in illustration.



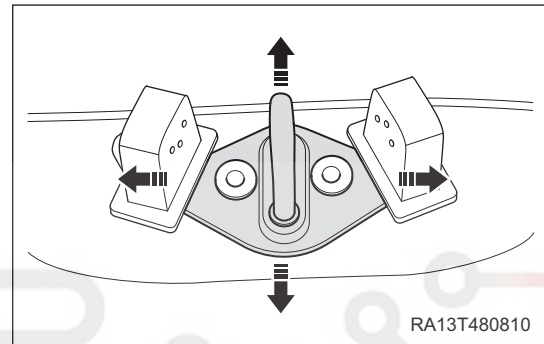
- b. Tighten fixing bolts on back door assembly to specified torque after adjustment.

(Tightening torque: 25 ± 2 N·m)

- c. Standard ranges of clearance between installation position of back door assembly (See page 52-13).
- 2. Adjust height of back door with back door adjustable buffer blocks.
 - a. Raise or lower back door by rotating back door adjustable buffer blocks clockwise or counterclockwise.



- 3. Adjust the back door lock striker assembly.
 - a. Slightly loosen fixing screws on back door lock striker assembly, and adjust back door lock striker assembly position by tapping with a plastic hammer in direction of arrow as shown in illustration.



- b. Tighten fixing screws on back door lock striker assembly to specified torque after adjustment.
(Tightening torque: $23 \pm 1 \text{ N}\cdot\text{m}$)

Inspection

After back door assembly is adjusted, perform following inspections:

1. Check back door for wear or deformation during installation. Repair as necessary.
2. Check if fixing bolts are set in position. Tighten them to specified torque as necessary.
3. Check if clearance and alignment between installation position of back door assembly and each part are within specified range. Adjust as necessary.

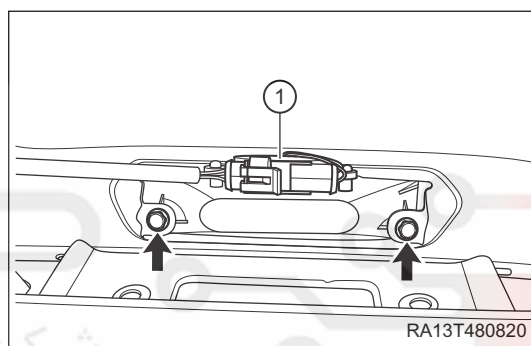
Back Door Opener Switch Assembly

Removal

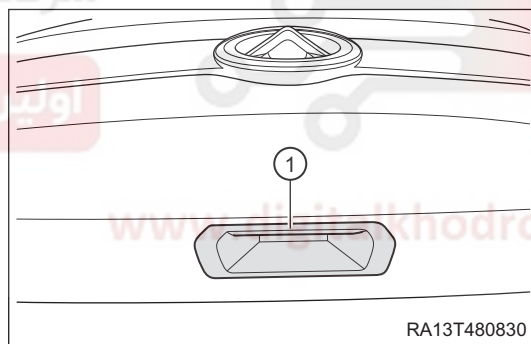
CAUTION

- Be sure to wear safety equipment to prevent accidents, when removing back door opener switch assembly.
- Try to prevent body paint surface from being scratched, when removing back door opener switch assembly.

1. Turn off all electrical equipment and the ignition switch.
2. Disconnect the negative battery cable.
3. Remove the back door opener switch assembly.
 - a. Remove 2 fixing bolts (arrow) from back door opener switch assembly, and disconnect back door opener switch connector (1).



- b. Remove the back door opener switch assembly (1).



Installation

Installation is in the reverse order of removal.

CAUTION

- Install connector in place, after installing back door opener switch assembly.
- Check that back door opener switch assembly functions properly after installation.

Back Door Hinge Assembly

Removal

HINT:

- Use same procedures for right and left sides.
- Procedures listed below are for left side.

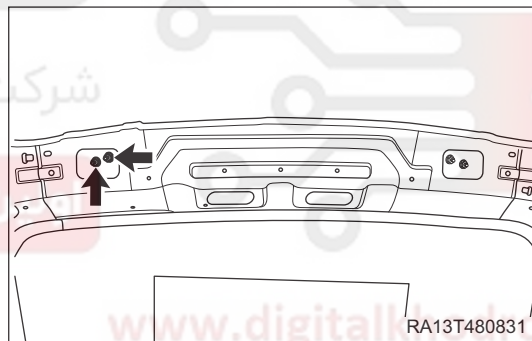
CAUTION

- Be sure to wear safety equipment to prevent accidents, when removing back door hinge assembly.
- When removing back door hinge assembly, try to prevent back door from dropping, otherwise, body or rear windshield may be damaged.

WARNING

- When removing back door hinge assembly, an assistant is needed to hold back door, so as to prevent back door from dropping or suddenly closing to cause accidents during operation.

1. Remove the back door hinge assembly.
 - a. Remove 2 connecting bolts (arrow) between back door left hinge assembly and body, and remove back door hinge assembly.
(Tightening torque: $25 \pm 2 \text{ N}\cdot\text{m}$)



Installation

Installation is in the reverse order of removal.

CAUTION

- After installing back door hinge assembly, it is necessary to adjust back door.

- MEMO -

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